SEQUENCE LISTING

<110> Russell, John

<120> Reagents and Method Useful For Detecting Diseases of the Breast

<130> 5995.US.P2

<160> 37

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 201
<212> DNA
<213> Homo Sapiens

<400> 1
ctcttaggct ttgaagcatt tttgtntgtg ctccctgatc ttcatgtcac caccatgaag 60
ttcttagcag tcctggtact cttgggagtt tccatctntc tggtctctgc ccagaatccg 120
acaacagctg ctncagctga cacgnatcca gctactggtc ctgctgatga tgaagcccct 180
gangctgaaa ccactgctgc t 201

<210> 2
<211> 308
<212> DNA
<213> Homo Sapiens

<400> 2
taggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccacc atgaagttct 60
tagcagtcct ggtactcttg ggagtttcca tctttctggt ctctgcccag aatccgacaa 120
cagctgctcc agctgacacg tatccagcta ctggtcctgc tgatgatgaa gcccctgatg 180
ctgaaaccac tgctgctgca accactgcga ccactgctgc tcctaccact gcaaccaccg 240
ctgcttctac cactgctcgt aaagacattc cagttttacc caaatgggtt ggggatcttc 300
cgaatggt

308

<210> 3
<211> 292
<212> DNA
<213> Homo Sapiens

<400> 3
gcatttttgt ctgtgctccc tgatcttcat gtcaccacca tgaagttctt agcagtcctg
60
gtactcttgg gagtttccat ctttctggtc tctgcccaga atccgacaac agctgctcca
120
gctgacacgt atccagctac tggtcctgct gatgatgaag cccctgatgc tgaaaccact
180
gctgctgcaa ccactgcgac cactgctgct cctaccactg caaccaccgc tgcttntacc
240
actgctcgta aagacattnc agttttaccc aaatgggttg gggatctccc ga
292

<210> 4
<211> 197
<212> DNA
<213> Homo Sapiens

<400> 4
gttttaccca aatgggttgg ggatctcccg aatggtagag tgtgtccctg agatggaatc
60
agcttgagtc ttctgcaatt ggtcacaact attcatgctt cctgtgattt catccaacta
120
cttaccttgc ctacgatatc ccctttatct ctaatcagtt tattttcttt caaataaaaa
180
ataactatga gcaacat
197

<210> 5
<211> 472
<212> DNA
<213> Homo Sapiens

<400> 5
ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcatgtcac caccatgaag
60
ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg
120
acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagccccct
180
gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc

240
accgctgctt ctaccactgc tcgtaaagac attccagttt tacccaaatg ggttggggat
300
ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc
360
acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatcccct
420
ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa ca
472

<210> 6
<211> 473
<212> DNA
<213> Homo Sapiens

<400> 6
ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcatgtcac caccatgaag
60
ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg
120
acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagccccct
180
gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc
240
accgctgctt ctaccactgc tcgtaaagac attccagttt tacccaaatg ggttggggat
300
ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc
360
acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatcccct
420
ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa cat
473

<210> 7
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Restriction site

<400> 7
agctcggaat tccgagcttg gatcctctag agcggccgcc gactagtgag ctcgtcgacc
60
cgggaatt
68

<210> 8
<211> 68
<212> DNA
<213> Artificial Sequence

<400> 8
aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg
60
gaattccg
68

<210> 9
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Universal primer

<400> 9
agcggataac aatttcacac agga
24

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<400> 10
tgtaaaacga cggccagt
18

<210> 11
<211> 20
<212> DNA
<213> Homo sapien

<400> 11
actgctcgta aagacattcc
20

<210> 12
<211> 19
<212> DNA
<213> Homo sapien

<400> 12

gggacacact ctaccattc
19

<210> 13
<211> 20
<212> DNA
<213> Homo sapiens

<400> 13
aagcccctga tgctgaaacc
20

<210> 14
<211> 23
<212> DNA
<213> Homo sapiens

<400> 14
tgcagaagac tcaagctgat tcc
23

<210> 15
<211> 20
<212> DNA
<213> Homo sapien

<400> 15
aagcccctga tgctgaaacc
20

<210> 16
<211> 23
<212> DNA
<213> Homo sapien

<400> 16
tgcagaagac tcaagctgat tcc
23

<210> 17
<211> 15
<212> DNA
<213> Homo sapien

<400> 17
gaccactgct gctcc
15

<210> 18
<211> 20
<212> DNA
<213> Homo sapien

<400> 18
actgctcgta aagacattcc
20

<210> 19
<211> 19
<212> DNA
<213> Homo sapien

<400> 19
gggacacact ctaccattc
19

<210> 20
<211> 90
<212> PRT
<213> Homo sapien

<400> 20

```
Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
 1               5                  10                  15
Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
            20                  25                  30
Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
        35                  40                  45
Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
    50                  55                  60
Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65                  70                  75                  80
Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
                85                  90
```

<210> 21
<211> 39
<212> PRT
<213> Homo sapien

<400> 21

```
Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
 1               5                  10                  15
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
```

```
            20                  25                  30
Thr Thr Ala Thr Thr Ala Ala
        35

      <210> 22
      <211> 39
      <212> PRT
      <213> Homo sapien

      <400> 22
Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala Ala Ser
 1               5                  10                  15
Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp
            20                  25                  30
Leu Pro Asn Gly Arg Val Cys
        35

      <210> 23
      <211> 21
      <212> PRT
      <213> Homo sapien

      <400> 23
Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
 1               5                  10                  15
Asn Gly Arg Val Cys
            20

      <210> 24
      <211> 21
      <212> PRT
      <213> Homo sapien

      <400> 24
Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr Gly Pro Ala Asp Asp Glu
 1               5                  10                  15
Ala Pro Asp Ala Glu
            20

      <210> 25
      <211> 9
      <212> PRT
      <213> Homo sapien

      <400> 25
Ala Gln Asn Pro Thr Thr Ala Ala Cys
 1               5
```

<210> 26
<211> 23
<212> PRT
<213> Homo sapien

<400> 26
Cys Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu
1 5 10 15
Pro Asn Gly Arg Val Cys Pro
20

<210> 27
<211> 14
<212> PRT
<213> Homo sapien

<400> 27
Gly Gly Trp Val Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
1 5 10

<210> 28
<211> 12
<212> PRT
<213> Homo sapien

<400> 28
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Cys
1 5 10

<210> 29
<211> 40
<212> PRT
<213> Homo sapien

<400> 29
Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
1 5 10 15
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
20 25 30
Thr Thr Ala Thr Thr Ala Ala Cys
35 40

<210> 30
<211> 11
<212> PRT
<213> Homo sapien

<400> 30
Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
1 5 10

<210> 31
<211> 10
<212> PRT
<213> Homo sapien

<400> 31
Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
1 5 10

<210> 32
<211> 11
<212> PRT
<213> Homo sapien

<400> 32
Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Cys
1 5 10

<210> 33
<211> 22
<212> PRT
<213> Homo sapien

<400> 33
Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
1 5 10 15
Asn Gly Arg Val Cys Pro
20

<210> 34
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 34
Ala Ser Pro Thr Tyr Arg Leu Tyr Ser Ala Ser Pro Ala Ser Pro Ala
1 5 10 15
Ser Pro Ala Ser Pro Leu Tyr Ser
20

<210> 35
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 35
Gly Leu Gly Leu Asn Leu Tyr Ser Leu Glu Ile Leu Glu Ser Glu Arg
1 5 10 15
Gly Leu Gly Leu Ala Ser Pro Leu Glu Ala Ser Asn Met Glu Thr His
20 25 30
Ile Ser Thr His Arg Gly Leu His Ile Ser His Ile Ser His Ile Ser
35 40 45
His Ile Ser His Ile Ser His Ile Ser
50 55

<210> 36
<211> 36
<212> DNA
<213> Homo sapien

<400> 36
tccatctttc tggtcggatc ccagaatccg acaaca
36

<210> 37
<211> 35
<212> DNA
<213> Homo sapien

<400> 37
gagcggccgc atcgtttaaa ctgacgatct gcctc
35